Reg. No. 08/14570/1993 dt. 26-7-1993

Jamkhandi Sugars Ltd.,
ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ನಿ. ಜಮಖಂಡಿ.
GSTIN No : 29AAACJ8575C1ZD

OFF : 254161/2/3/4 STD : 08353
Tele Fax : 08353 - 254160.
CIN No. U85110KA1993PLC014570
CUG No. 7022022148 / 149

JSL/Mfg/Env- Audit-Sugar/2019-20/2141 Date: 29.07.2019

To,
The member Secretary
Karnataka state pollution control Board
#48 Parisar Bhavan 4th and 5th Floor,
Church Street
Bangalore-560001

Submitted through: Environmental Officer, Regional Office, KSPCB, Bagalkot.

Subject: - submission of Environment Statement For the financial year 2018-19-Reg.

R/sir,

With reference to above cited subject, we are enclosing herewith the Environment Statement for financial year 2018-19 for our "M/s Jamkhandi Sugars ltd" located at Hirepadasalgi village, Nagnur Post-587301, Jamkhandi Taluk, Bagalkot District, Karnataka. Kindly acknowledge the receipt, So that we can upload the same in our company website.

Thanking You,

Yours Faithfully,
For Jamkhandi Sugars Limited

V.Sivaprakasam
Managing Director

Encl: Two copies of Environmental Statement.

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2018-2019

Submitted By

M/s. Jamkhandi Sugars Ltd., Unit I

Post: Hirepadasalgi, Nagnur, Tal: Jamkhandi
Dist: Bagalkot – 587301

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING 31 ST MARCH 2017

PART- A

i.	Name and address of the owner/ occupier of the industry	**V.Sivaprakasam.** **Managing Director** **M/s Jamkhandi Sugars Ltd.,(Unit I)** **Post: Hirepadasalgi, Nagnur,** **Tal: Jamkhandi** **Dist: Bagalkot – 587301**
Operation or Process		
ii.	Industry category Primary-(STC Code) Secondary- (STC Code)	**Primary-(SIC CODE)-2000** **Secondary-(SIC CODE)-2061** **Category : Red , Size: Large**
iii.	Production Category-Units	**White crystal sugar with sugar cane crushing capacity of 5000 TCD and 27 MW/hr cogeneration**
iv.	Year of establishment	**2001**
v.	Date of Last Environmental Statement submitted	**26.06.2018**
vi.	No. of Employees	**425 no's**

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

PART-B

Water and Raw Material Consumption

Water Consumption in m^3/d

Water Consumption	2017-18	2018-19
Process	88	79
Cooling (including washing and boiler feed)	122	192*
Domestic	17	16

- Indicates process condensate wateronly.

I PRODUCTS

Name of the Products	Process water consumption per unit of Product Output	
	During the current financial year 2017-18	During the current financial year 2018-19
Sugar	0.44	0.39

ii. Raw Material Consumption

Raw Materials	Product	Consumption of raw material per unit of output	
		During the current financial year 2017-18	During the current financial year 2018-19
Sugar Cane	Crystal white Sugar	9.37	8.66
Lime		0.015	0.011
O.P. Acid		0.00036	0.00038
Sulfur		0.00502	0.0033
Caustic Soda		0.00010	0.000543
Lubricants (Kgs/MT of Sugar cane crushed)		0.0080	0.0081

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

PART-C

Pollution discharged to environment / unit of output
(Parameters as specified in the consent issued)

Pollutants	Discharge of pollutants (Kg/day)	Concentration of Pollutants discharged mg/volume	Reasons
Water	• Domestic effluent is treated in septic tank and soak pit. • Effluents from washings are treated in an ETP consisting of collection cum reaction tank, settling tank, pressure sand filter and final collection tank. • Monitoring of the characteristics of effluent washings will be outsourced to KSPCB empanelled laboratories.		
Air	• Emission from 90 TPH boiler, 70 TPH boiler with chimney of 90 mt and 56 mts pass though ESP, Wet scrubber respectively before emitting in to atmosphere • 725 KVA, DG set is equipped with chimney of 20 mts. respectively		
• Monitoring reports are enclosed herewith for your kind perusal			

PART-D

HAZARDOUS WASTE
(As specified under the Hazardous Waste (Management and Handling Rules, 1989))

Hazardous Waste	Total Quantity (T/annum)	
	During the Current Financial Year 2017-18	**During the Current Financial Year 2018-19**
a) From Process	140Ltrs/ annum used within the premises as lubricants	140Ltrs/ annum used within the premises as lubricants
b) From Pollution Control facilities		

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

PART-E

SOLID WASTE

SR.NO	Solid waste	Total Quantity	
		During the Current Financial Year 2017-2018	During the Current Financial Year 2018-2019
	a) From Process	Ash 4080 MT Press mud 21622MT	Ash 1833 MT Press mud 19369 MT
	b) From Pollution Control facility (Organic Sludge)	ETP sludge 18.5T/day	ETP sludge 18.0 T/A
	c) Quantity recycled or reutilized within the unit	Bagasse =205588.00 MT	Bagasse =183317.00 MT

PART-F

Please specify the characterization (in terms of Composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

The Hazardous waste generation is from D.G. Set of capacities 725 KVA, 500 KVA and 320 KVA DG set in the form of used oil and is classified under Category No.5.1 according to Hazardous Wastes (Management & Handling) Amended rules 2003. The quantity is approximately 140 lts /annum the quantity solely depends on the usage of D.G. Sets (more usage when there is no power supply). This is stored securely in sealed barrels in the premises and used as a lubricant in the mill gear.

The ash is mixed with press mud and sold as manure to member farmers.

PART G

Impact of the pollution control measures taken on the conservation of natural resources and consequently on the cost of production

A. Impact of pollution abatement on conservation

a. Cleaner Effluents

During the manufacturing process, wastewater is generated from various sections viz. process, washing area, domestic activity.,

The consumption of fresh water is kept in control because of production planning, maintaining dedicated production facility and optimization of wash water amount.

b. Resource Conservation & Recovery

JAMKHANDI SUGARS LTD. JAMKHANDI DT. BAGALKOT

Proper production planning and quality management techniques have resulted in lesser consumption of raw material which has resulted in lesser wastage of raw material, which earlier used to reach E.T.P.

c. Solid Waste Reuse

Bagasse generated as a byproduct from the sugar industry is reused as fuel for captive power plant.

The sludge generation from E.T.P. is partly used as manure in the plant premises. The remaining sludge is given free of cost to member farmers to use as manure.

B. Impact of pollution abatement on the cost of production

The expenditure incurred on the maintenance and running of the ETP works out to be 1.5 Crores this year. This includes the cost of chemicals, machinery repairs, and replacement of parts, manpower, Buffer tank and UASB-reactor.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution

The company has already adopted various quality systems and improved manufacturing discipline. This has resulted in material conservation and waste reduction this year.

The industry has reduced its fuel consumption this year considerably compared to previous year. The indirect benefits are lesser emission of pollutants, maintenance of ambient air quality and energy conservation.

PART-I

MISCELLANEOUS

Any other particulars in respect of environmental protection and abatement of pollution.

The industry shall try to utilize all the treated effluent optimally for growing more trees in the premises.

Date: - 29.07.2019

Place: - Hirepadasalgi

For Jamkhandi Sugars Ltd

V.Sivaprakasam.

Managing Director

JAMKHANDI SUGARS LTD. JAMKHANDI BAGALKOT